

Annual Report

Number	Permit Section	Question
1	S5.A	<p>Attach a copy of any annexations, incorporations or boundary changes resulting in an increase or decrease in the Permittee's geographic area of permit coverage during the reporting period per S9.D.6.</p> <p>Not Applicable</p> <p>Comment: There has been no change in geographic area of permit coverage</p>
2	S5.A	<p>Attach updated annual Stormwater Management Program Plan (SWMP Plan). (S5.A.2)</p> <p>Fircrest SWMP 2022 Final_2_03312022131916</p>
3	S5.A	<p>Implemented an ongoing program to gather, track, and maintain information per S5.A.3, including costs or estimated costs of implementing the SWMP.</p> <p>Yes</p> <p>Comment: The City utilizes the services of an Engineering Consultant firm for implementing and updated its SWMP</p>
4	S5.A.5.b	<p>Coordinated among departments within the jurisdiction to eliminate barriers to permit compliance. (S5.A.5.b)</p> <p>Yes</p> <p>Comment: The City conducts weekly Department Head meetings that include Public Works, Planning, Facilities/Parks, Police, and Finance. NPDES compliance is a continued topic of discussion.</p>
5	S5.C.1.	<p>Have you convened an interdisciplinary team to inform and assist in the development, progress, and influence of the comprehensive stormwater planning program? (S.5.c.1). August 1, 2020</p> <p>Yes</p>
15	S5.C.1.c	<p>Continue to design and implement local development-related codes, rules, standards, or other enforceable documents to minimize impervious surfaces, native vegetation loss, and stormwater runoff, where feasible? See S5.C.1.c.i. (Required annually)</p> <p>Yes</p>
16	S5.C.1.c	<p>From the assessment described in S5.C.1.c.i(a), did you identify any administrative or regulatory barriers to implementation of LID Principles or LID BMPs? (Required annually)</p> <p>No</p>
17	S5.C.1.d	<p>Developed a watershed inventory as outlined in S5.C.1.d.i? (Submitted by March 31, 2022)</p> <p>Yes</p>
17a	S5.C.1.d	<p>Attach watershed inventory as described in S5.C.1.d.i.</p> <p>Watershed Inventory_17a_03312022131344</p>

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18	S5.C.1.d	Developed a receiving water prioritization method and process as described in S.5.C.1.d.ii(a)-(c)? (Required by June 30, 2022.) Yes
18a	S5.C.1.d	Attach receiving water priority ranking process as described in S.5.C.1.d.ii(a)-(c). Comment: There is only one receiving water that is impacted by the City of Fircrest's MS4. Leach Creek is a sub-watershed of the Clover-Chambers Creek watershed.
20	S5.C.2	Did you choose to adopt one or more elements of a regional program? (S5.C.2) No
21	S5.C.2	Attach a description of general awareness efforts conducted, including your target audiences and subject areas, per S5.C.2.a.i. 2021 Pet Waste Bag Outreach Pr_21_03312022165956
23	S5.C.2	Developed a behavior change campaign that is tailored to the community in accordance with S5.C.2.a.ii(c)? (Required no later than February 1, 2021) Yes
23a	S5.C.2	Attach the strategy and schedule developed in accordance with S5.C.2.a.ii(c). Comment: Public Works staff meet weekly to discuss current events and future projects. The pet waste bag program is routinely discussed to identify frequency of replacing the rolls of bags at stations along with amount of illicit piles that have been cleaned up by Parks staff.
24	S5.C.2	Began implementing strategy outlined in S.5.C.2.a.ii(c) (S5.C.2.a.ii(d) – Required by April 1, 2021) Yes
26	S5.C.2	Promoted stewardship opportunities (or partnered with others) to encourage resident participation in activities such as those described in S5.C.2.a.iii. Yes
26a	S5.C.2	Attach a list of stewardship opportunities provided. 2021 Stewardship Opportunities_26a_03312022165956
27	S5.C.3.	Describe in Comments field the opportunities created for the public, including overburdened communities, to participate in the decision-making processes involving the development, implementation, and updates of the Permittee's SWMP and the SMAP. (S5.C.3.a) The 2021 updated SWMP was brought before Council and Public Hearing. Public Works has a copy of the SWMP available at its offices and on its website. PW also sets up outreach booths with storm water informational handouts at all City organized events, in an effort to communicate with large numbers of residents.
28	S5.C.3.	Posted the updated SWMP Plan and latest annual report on your website no later than May 31. (S5.C.3.b) Yes

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28a	S5.C.3.	List the website address in Comments field. https://www.cityoffircrest.net/government/public-works-department/stormwater/
29	S5.C.4.	Maintained a map of the MS4 including the requirements listed in S5.C.4.a.i-vii? Yes
30	S5.C.4.	Started mapping outfall size and material in accordance with S5.C.4.b.i? (Required no later than January 1, 2020) Yes
30a	S5.C.4.	Attach a spreadsheet that lists the known outfalls' size and material(s). Storm Water Outfalls_30a_03282022081919
31	S5.C.4.	Completed mapping connections to private storm sewers in accordance with S5.C.4.b.ii? (Required no later than August 1, 2023) No
32	S5.C.4.	Developed an electronic format for map, with fully described mapping standards in accordance with S5.C.4.c? (Required no later than August 1, 2021) Yes
33	S5.C.5	Informed public employees, businesses, and the general public of hazards associated with illicit discharges and improper disposal of waste? (S5.C.5.b) Yes
33a	S5.C.5	Actions taken to inform public employees, businesses, and the general public of hazards associated with illicit discharges and improper disposal of waste. Staff undergo monthly trainings, of which IDDE and Spill Response is one of the classes. Outreach is done at the Elementary and Junior HS in the City. The result of the learning materials provided to the schools is a calendar that is sent out and made available to every residence in the City. Funding for this outreach campaign is through a DOE Capacity Grant
34	S5.C.5	Implemented an ordinance or other regulatory mechanism to effectively prohibit non-stormwater, illicit discharges as described in S5.C.5.c. Yes
35	S5.C.5	Implemented procedures for conducting illicit discharge investigations in accordance with S5.C.5.d.i. Yes
35a	S5.C.5	Cite field screening methodology in Comments field. Fircrest's IDDE program utilizes the Outfall Reconnaissance Inventory field screening methodology, as described in Chapter 11 of the Center for Urban Watershed Protection's Illicit Discharge Detection and Elimination guidance manual (IDDE Manual) dated October 2004.

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36	S5.C.5	<p>Percentage of MS4 coverage area screened in the reporting year per S5.C.5.d.i. (Required to screen 12% on average each year.)</p> <p>100</p>
36a	S5.C.5	<p>Cite field screening techniques used to determine percent of MS4 screened.</p> <p>The coverage area of the City of Fircrest is of the scale that is manageable to inspect the entire system each year, 100%.</p>
37	S5.C.5	<p>Percentage of total MS4 screened from permit effective date through the end of the reporting year. (S5.C.5.d.i.)</p> <p>100</p>
38	S5.C.5	<p>Describe how you publicized a hotline telephone number for public reporting of spills and other illicit discharges in the Comments field. (S5.C.5.d.ii)</p> <p>City of Fircrest Public Works Staff are on-call 24/7/365. This enables effective response times for after-hours calls. The City's call center calls out staff immediately if a spill is reported. The Public Works phone number is readily available on the City's website along with a narrative for reporting spills or IDDE's</p>
39	S5.C.5	<p>Implemented an ongoing illicit discharge training program for all municipal field staff per S5.C.5.d.iii.</p> <p>Yes</p>
40	S5.C.5	<p>Implemented an ongoing program to characterize, trace, and eliminate illicit discharges into the MS4 per S5.C.5.e.</p> <p>Yes</p>
41	S5.C.5	<p>Municipal illicit discharge detection staff are trained to conduct illicit discharge detection and elimination activities as described in S5.C.5.f.</p> <p>Yes</p>
42	S5.C.5	<p>Attach a report with data describing the actions taken to characterize, trace, and eliminate each illicit discharge reported to, or investigated by, the Permittee as described in S5.C.5.g. The submittal must include all of the applicable information and must follow the instructions, timelines, and format described in Appendix 12.</p> <p>Imported from WQWebIDDE</p>
43	S5.C.6.	<p>Implemented an ordinance or other enforceable mechanism to effectively address runoff from new development, redevelopment, and construction sites per the requirements of S5.C.6.b.i-iii.</p> <p>Yes</p>
44	S5.C.6.	<p>Revised ordinance or other enforceable mechanism to effectively address runoff from new development, redevelopment, and construction sites per the requirements of S5.C.6.b.i-iii. (Required no later than June 30, 2022)</p> <p>Not Applicable</p>
45	S5.C.6.	<p>Number of adjustments granted to the minimum requirements in Appendix 1. (S5.C.6.b.i. and Section 5 of Appendix 1)</p> <p>Not Applicable</p>

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46	S5.C.6.	Number of exceptions/variances granted to the minimum requirements in Appendix 1. (S5.C.6.b.i., and Section 6 of Appendix 1) Not Applicable
47	S5.C.6.	Reviewed Stormwater Site Plans for all proposed development activities that meet the thresholds adopted pursuant to S5.C.6.b.i. (S5.C.6.c.i) Yes
47a	S5.C.6.	Number of site plans reviewed during the reporting period. 3
48	S5.C.6.	Inspected, prior to clearing and construction, permitted development sites per S5.C.6.c.ii, that have a high potential for sediment transport as determined through plan review based on definitions and requirements in Appendix 7 – Determining Construction Site Sediment Damage Potential? Yes
48a	S5.C.6.	If no, inspected, prior to clearing and construction, all construction sites meeting the minimum thresholds (S5.C.6.c.ii)? No
49	S5.C.6.	Inspected permitted development sites during construction to verify proper installation and maintenance of required erosion and sediment controls per S5.C.6.c.iii. Yes
49a	S5.C.6.	Number of construction sites inspected per S5.C.6.c.iii. 5
49b	S5.C.6.	Inspected stormwater treatment and flow control BMPs/facilities and catch basins in new residential developments every 6 months per S5.C.6.c.iv? Yes
50	S5.C.6.	Inspected all permitted development sites upon completion of construction and prior to final approval or occupancy to ensure proper installation of permanent stormwater facilities. (S5.C.6.c.v) Yes
51	S5.C.6.	Verified a maintenance plan is completed and responsibility for maintenance is assigned for projects prior to final approval and occupancy being granted. (S5.C.6.c.v) Yes
52	S5.C.6.	Number of enforcement actions taken during the reporting period (based on construction phase inspections at new development and redevelopment projects). (S5.C.6.c.ii-iv)(S5.C.7.c.viii) 0
53	S5.C.6.	Achieved at least 80% of scheduled construction-related inspections. (S5.C.6.c.vi) Yes

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54	S5.C.6.	Made Ecology's Notice of Intent for Construction Activity and Notice of Intent for Industrial Activity available to representatives of proposed new development and redevelopment? (S5.C.6.d) Yes
55	S5.C.6.	All staff whose primary job duties are implementing the program to control stormwater runoff from new development, redevelopment, and construction sites including permitting, plan review, construction site inspections, and enforcement are trained to conduct these activities? (S5.C.6.e) Yes
56	S5.C.7.	Implemented maintenance standards that are as protective, or more protective, of facility function than those specified in the Stormwater Management Manual for Western Washington or a Phase I program approved by Ecology per S5.C.7.a.? Yes
57	S5.C.7.	Updated maintenance standards specified in Stormwater Management Manual for Western Washington per S5.C.7.a? (Required no later than June 30, 2022) Yes
58	S5.C.7.	Applied a maintenance standard for a facility or facilities which do not have maintenance standards specified in the Stormwater Management Manual for Western Washington? If so, note in the Comments field what kinds of facilities are covered by this alternative standard. (S5.C.7.a) No
59	S5.C.7.	Verified that maintenance was performed per the schedule in S5.C.7.a.ii when an inspection identified an exceedance of the maintenance standard. Yes
59a	S5.C.7.	Attach documentation of maintenance time frame exceedances that were beyond the Permittee's control. Not Applicable
60	S5.C.7.	Implemented an ordinance or other enforceable mechanisms to verify long-term operation and maintenance of stormwater treatment and flow control BMPs/facilities regulated by the permittee per (S5.C.7.b.i (a))? No
61	S5.C.7.	Annually inspected stormwater treatment and flow control BMPs/facilities regulated by the Permittee per S5.C.7.b.i(b) Yes
61a	S5.C.7.	If using reduced inspection frequency for the first time during this permit cycle, attach documentation per S5.C.7.b.i (b) Not Applicable
62	S5.C.7.	Achieved at least 80% of scheduled inspections to verify adequate long-term O&M. (S5.C.7.b.ii) Yes

Number	Permit Section	Question
63	S5.C.7.	Annually inspected all municipally owned or operated permanent stormwater treatment and flow control BMPs/facilities. (S5.C.7.c.i) Yes
63a	S5.C.7.	Number of known municipally owned or operated stormwater treatment and flow control BMPs/facilities. (S5.C.7.c.i) 4
63b	S5.C.7.	Number of facilities inspected during the reporting period. 4
63c	S5.C.7.	Number of facilities for which maintenance was performed during the reporting period. 0
64	S5.C.7.	If using reduced inspection frequency for the first time during this permit cycle, attach documentation per S5.C.7.c.i. Not Applicable
65	S5.C.7.	Conducted spot checks and inspections (if necessary) of potentially damaged stormwater facilities after major storms as per S5.C.7.c.ii. Yes
66	S5.C.7.	Inspected municipally owned or operated catch basins and inlets every two years or used an alternative approach? Cleaned as needed? (S5.C.7.c.iii) Yes
66a	S5.C.7.	Number of known catch basins? 534
66b	S5.C.7.	Number of catch basins inspected during the reporting period? 534 Comment: 100% of municipally owned catch basins were inspected in 2021. This will remain the goal in future years and is achievable due to the size of the City's storm water system
66c	S5.C.7.	Number of catch basins cleaned during the reporting period? 75
67	S5.C.7.	Attach documentation of alternative catch basin cleaning approach, if used. (S5.C.7.c.iii. (a)-(c)) Outside Entity CB Cleaning_67_03302022133721 Comment: The City contracted with FloHawks for its 2021 Catch Basin cleaning. See attached file
68	S5.C.7.	Implemented practices, policies and procedures to reduce stormwater impacts associated with runoff from all lands owned or maintained by the Permittee, and road maintenance activities under the functional control of the Permittee. (S5.C.7.d) Yes

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69	S5.C.7.	<p>Documented practices, policies, and procedures to reduce stormwater impacts associated with runoff from all lands owned or maintained by the Permittee, and road maintenance activities under the functional control of the Permittee. (S5.C.7.d – Required by December 31, 2022)</p> <p>Not Applicable</p>
70	S5.C.7.	<p>Implemented an ongoing training program for Permittee employees whose primary construction, operations or maintenance job functions may impact stormwater quality. (S5.C.7.e)</p> <p>Yes</p>
71	S5.C.7.	<p>Implemented a Stormwater Pollution Prevention Plan (SWPPP) for all heavy equipment maintenance or storage yards, and material storage facilities owned or operated by the Permittee in areas subject to this Permit that are not required to have coverage under an NPDES permit that covers stormwater discharges associated with the activity. (S5.C.7.f)</p> <p>Yes</p>
72	S5.C.7.	<p>Updated, if needed, SWPPPs according to S5.C.7.f no later than December 31, 2022.</p> <p>Not Applicable</p>
73	S5.C.8	<p>Adopted ordinance(s), or other enforceable documents, requiring the application of source control BMPs for pollutant generating sources associated with existing land uses and activities per S.5.C.8.b.i. (Required by August 1, 2022)</p> <p>Yes</p>
73a	S5.C.8	<p>Cite ordinance. (Required by August 1, 2022)</p> <p>Fircrest Municipal Code 20.24 and FMC 20.25.</p>
74	S5.C.8	<p>Established an inventory per S5.C.8.b.ii. (Required by August 1, 2022.)</p> <p>No</p>
75	S5.C.8	<p>Implemented an inspection program S5.C.8.b.iii (Required by January 1, 2023).</p> <p>No</p>
76	S5.C.8	<p>Implemented a progressive enforcement policy per S5.C.8.b.iv (Required by January 1, 2023).</p> <p>No</p>
77	S5.C.8	<p>Attach a summary of actions taken to implement the source control program per S5.C.8.b.iii and S5.C.8.b.iv.</p> <p>Not Applicable</p>
78	S5.C.8	<p>Attach a list of inspections, per S5.C.8.b.iii, organized by the business category, noting the amount of times each business was inspected, and if enforcement actions were taken.</p> <p>Not Applicable</p>

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79	S5.C.8	Implemented an ongoing source control training program per S5.C.8.b.v? Not Applicable
80	S7	Complied with the Total Maximum Daily Load (TMDL)-specific requirements identified in Appendix 2. (S7.A) Not Applicable
81	S7	For TMDLs listed in Appendix 2: Attach a summary of relevant SWMP and Appendix 2 activities to address the applicable TMDL parameter(s). (S7.A) Not Applicable
82	S8	Submitted payment for cost-sharing for Stormwater Action Monitoring (SAM) status and trends monitoring no later than December 1, 2019 (S8.A.1); and no later than August 15 of each subsequent year? (S8.A.2.a.) Yes
84	S8	Submitted payment for cost-sharing for SAM effectiveness and source identification studies no later than December 1, 2019 (S8.B.1); and no later than August 15 of each subsequent year (S8.B.2.a or S8.B.2.c)? Yes
86	S8	If conducting stormwater discharge monitoring in accordance with S8.C.1, submitted a QAPP to Ecology no later than February 1, 2020? (S8.C.1.b and Appendix 9) Not Applicable
87	S8	If conducting stormwater discharge monitoring in accordance with S8.C.1, attach a data and analysis report per S8.C.1. and Appendix 9. (Due annually beginning March 31, 2021.) Not Applicable
88	G3	Notified Ecology in accordance with G3 of any discharge into or from the Permittees MS4 which could constitute a threat to human health, welfare or the environment. (G3) Yes
89	G3	Took appropriate action to correct or minimize the threat to human health, welfare, and/or the environment per G3.A. Yes
90	Compliance with standards	Notified Ecology within 30 days of becoming aware that a discharge from the Permittee's MS4 caused or contributed to a known or likely violation of water quality standards in the receiving water. (S4.F.1) Not Applicable
91	Compliance with standards	If requested, submitted an Adaptive Management Response report in accordance with S4.F.3.a. Not Applicable

Number	Permit Section	Question
92	Compliance with standards	<p>Attach a summary of the status of implementation of any actions taken pursuant to S4.F.3 and the status of any monitoring, assessment, or evaluation efforts conducted during the reporting period. (S4.F.3.d)</p> <p>Not Applicable</p>
93	G20	<p>Notified Ecology of the failure to comply with the permit terms and conditions within 30 days of becoming aware of the non-compliance. (G20)</p> <p>Yes</p>
94	G20	<p>Number of non-compliance notifications (G20) provided in reporting year. List permit conditions described in non-compliance notification(s) in Comments field.</p> <p>3</p>
94a	G20	<p>List permit conditions described in non-compliance notification(s).</p> <p>Permit Sections S5.C.2.a.ii(b): Conducted an evaluation of the effectiveness of the ongoing behavior change program and documented recommendations and S5.C.2.a.ii(c): Began implementing [the] strategy outlined in S5.C.2.ii(b) Permit Section S5.C.7.b.ii Achieved at least 80% of scheduled inspections to verify adequate long-term O&M Permit Section S5.C.7.c.iii Inspected municipally owned or operated catch basins and inlets every two years or used an alternative approach The three above listed G20's were identified at different times throughout 2021, although, S5.C.7.b.ii dates back to 2016. The City's Private Storm Water inspection and maintenance program continues to evolve. Contact has been made with all Private Storm Water responsible parties, many of which are submitting documentation for previous years along with current documentation. The City owned Catch Basin cleaning program has adopted a form that meets and exceeds DOE's requirement for inspection. This form will be utilized for the 2022 program The City continues to analyze Behavior Change data with its Dog Waste bag campaign.</p>

Attachments:

View Files Attached to Submission

	DocDescr	DocName	DocExt	DocID	SubID	AppName
View	WAR045008_21_03312022165956	2021 Pet Waste Bag Outreach Pr_21_03312022165956	.docx	1234687	1813192	wqwebportal
View	WAR045008_26a_03312022165956	2021 Stewardship Opportunities_26a_03312022165956	.docx	1234688	1813192	wqwebportal
View	Submitted Copy of Record for Fircrest Public Works	Copy of Record FircrestPublicWorks Thursday March 31 2022	.pdf	1234695	1813192	wqwebportal
View	Submitted Cover Letter for Fircrest Public Works	Cover Letter FircrestPublicWorks Thursday March 31 2022	.pdf	1234696	1813192	wqwebportal
View	WAR045008_2_03312022131916	Fircrest SWMP 2022 Final_2_03312022131916	.pdf	1234508	1813192	wqwebportal
View	WAR045008_67_03302022133721	Outside Entity CB Cleaning_67_03302022133721	.pdf	1234082	1813192	wqwebportal
View	WAR045008_30a_03282022081919	Storm Water Outfalls_30a_03282022081919	.xlsx	1232999	1813192	wqwebportal
View	WAR045008-2021-ImportedIDDEs_03302022124700	WAR045008-2021-ImportedIDDEs_03302022124700	.xml	1234054	1813192	wqwebportal
View	WAR045008_17a_03312022131344	Watershed Inventory_17a_03312022131344	.pdf	1234502	1813192	wqwebportal

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